



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D3516-041**  
**Job Sheet 188676**



Part No: D3516-041

Job Qty: 1 pcs

Part Name: Basket Base Assembly (A119)



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/14/19

Job Tracking No:

Due Date: 1/25/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C IPP rev. A 06.05.31 Preliminary EC IPP rev. b 06.07.27 updated EC IPP Rev:C 08-02-25 ECN 1138P DD verified by: LL IPP Rev:D 08-03-18 ecn 1136 DD verified by:EC

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation                    | Qty      | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|------------------------------|----------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                              |          |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Small Fab - 1                | 1<br>pcs | 1/25/19    |          | 0.00      | 4.76    | Small Fab - 1         |           | MA       |
|       |                              |          |            |          |           |         | Small Fab - 2         |           |          |
|       |                              |          |            |          |           |         | Small Fab - 3         |           |          |
|       |                              |          |            |          |           |         | Small Fab - 4         |           |          |
|       |                              |          |            |          |           |         | Small Fab - 5         |           |          |
|       |                              |          |            |          |           |         | Small Fab - 6         |           |          |
|       |                              |          |            |          |           |         | Small Fab - 7         |           |          |
| 110   | Large Fab - Basket - 2 - B4B | 1<br>pcs | 1/25/19    |          | 0.00      | 16.67   | Large Fab - 1 - B4B   |           | CPC      |
|       |                              |          |            |          |           |         | Large Fab - 10 - B4B  |           |          |
|       |                              |          |            |          |           |         | Large Fab - 2 - B4B   |           |          |
|       |                              |          |            |          |           |         | Large Fab - 3 - B4B   |           |          |
|       |                              |          |            |          |           |         | Large Fab - 4 - B4B   |           |          |
|       |                              |          |            |          |           |         | Large Fab - 5 - B4B   |           |          |
|       |                              |          |            |          |           |         | Large Fab - 6 - B4B   |           |          |
|       |                              |          |            |          |           |         | Large Fab - 7 - B4B   |           |          |
|       |                              |          |            |          |           |         | Large Fab - 8 - B4B   |           |          |
| 120   | QC 9                         | 1<br>pcs | 1/25/19    |          | 0.00      | 0.00    | QC 9 - 10             |           | ST       |
|       |                              |          |            |          |           |         | QC 9 - 18             |           |          |
|       |                              |          |            |          |           |         | QC 9 - 24             |           |          |
|       |                              |          |            |          |           |         | QC 9 - 43             |           |          |
|       |                              |          |            |          |           |         | QC 9 - 50             |           |          |
|       |                              |          |            |          |           |         | QC 9 - 9              |           |          |
| 130   | QC 5                         | 1<br>pcs | 1/25/19    |          | 0.00      | 0.00    | QC 5 - 10             |           |          |
|       |                              |          |            |          |           |         | QC 5 - 12             |           |          |
|       |                              |          |            |          |           |         | QC 5 - 17             |           |          |
|       |                              |          |            |          |           |         | QC 5 - 18             |           |          |
|       |                              |          |            |          |           |         | QC 5 - 19             |           |          |
|       |                              |          |            |          |           |         | QC 5 - 22             |           |          |
|       |                              |          |            |          |           |         | QC 5 - 24             |           |          |
|       |                              |          |            |          |           |         | QC 5 - 3              |           |          |
|       |                              |          |            |          |           |         | QC 5 - 38             |           |          |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                               |  |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sequence #: _____                                                                                                                 | QTY Affected : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | MRB (QSI042)                  |  |
| <b>Description Work Order Deviation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   | <b>Disposition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>Completed By</b>           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>Lead hand / Supervisor</b> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>QC / QA Coordinator</b>    |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; align-items: flex-start;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                               |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                               |  |



|                                       |     |         |            |  |                      |            |
|---------------------------------------|-----|---------|------------|--|----------------------|------------|
|                                       |     |         |            |  | QC 5 - 42            |            |
|                                       |     |         |            |  | QC 5 - 43            | SS         |
|                                       |     |         |            |  | QC 5 - 49            |            |
|                                       |     |         |            |  | QC 5 - 51            |            |
|                                       |     |         |            |  | QC 5 - 58            |            |
|                                       |     |         |            |  | QC 5 - 68            |            |
|                                       |     |         |            |  | QC 5 - 9             |            |
|                                       |     |         |            |  | QC 5 - 50            |            |
|                                       |     |         |            |  | QC 5 - 30            |            |
| 140 Large Fab - Basket - 3 - B4B      | 1   | 1/25/19 | 0.00 16.67 |  | Large Fab - 1 - B4B  |            |
| pcs                                   |     |         |            |  | Large Fab - 10 - B4B |            |
|                                       |     |         |            |  | Large Fab - 2 - B4B  |            |
|                                       |     |         |            |  | Large Fab - 3 - B4B  |            |
|                                       |     |         |            |  | Large Fab - 4 - B4B  | PC         |
|                                       |     |         |            |  | Large Fab - 5 - B4B  |            |
|                                       |     |         |            |  | Large Fab - 6 - B4B  |            |
|                                       |     |         |            |  | Large Fab - 7 - B4B  |            |
|                                       |     |         |            |  | Large Fab - 8 - B4B  |            |
|                                       |     |         |            |  | Large Fab - 9 - B4B  |            |
| 150 QC 9                              | 1   | 1/25/19 | 0.00 0.00  |  | QC 9 - 10            |            |
| pcs                                   |     |         |            |  | QC 9 - 18            |            |
|                                       |     |         |            |  | QC 9 - 24            |            |
|                                       |     |         |            |  | QC 9 - 43            | SS         |
|                                       |     |         |            |  | QC 9 - 50            |            |
|                                       |     |         |            |  | QC 9 - 9             |            |
| 160 QC 5                              | 1   | 1/25/19 | 0.00 0.00  |  | QC 5 - 10            |            |
| pcs                                   |     |         |            |  | QC 5 - 12            |            |
|                                       |     |         |            |  | QC 5 - 17            |            |
|                                       |     |         |            |  | QC 5 - 18            |            |
|                                       |     |         |            |  | QC 5 - 19            |            |
|                                       |     |         |            |  | QC 5 - 22            |            |
|                                       |     |         |            |  | QC 5 - 24            |            |
|                                       |     |         |            |  | QC 5 - 3             |            |
|                                       |     |         |            |  | QC 5 - 38            |            |
|                                       |     |         |            |  | QC 5 - 42            |            |
|                                       |     |         |            |  | QC 5 - 43            | SS         |
|                                       |     |         |            |  | QC 5 - 49            |            |
|                                       |     |         |            |  | QC 5 - 51            |            |
|                                       |     |         |            |  | QC 5 - 58            |            |
|                                       |     |         |            |  | QC 5 - 68            |            |
|                                       |     |         |            |  | QC 5 - 9             |            |
|                                       |     |         |            |  | QC 5 - 50            |            |
|                                       |     |         |            |  | QC 5 - 30            |            |
| 170 Powdercoat - 2 White Gl(S)        | 1   | 1/25/19 | 0.00 1.85  |  | Powdercoat - 1 - B4B |            |
| -B4B M138997                          | pcs |         |            |  | Powdercoat - 2 - B4B |            |
| START: 10:55 ON T: 375° FINISH: 12:10 |     |         |            |  | Powdercoat - 3 - B4B | BK19-02-04 |
|                                       |     |         |            |  | Powdercoat - 4 - B4B |            |
| 180 QC 3                              | 1   | 1/25/19 | 0.00 0.00  |  | QC 3 - 10            |            |
| pcs                                   |     |         |            |  | QC 3 - 13            |            |
|                                       |     |         |            |  | QC 3 - 15            |            |
|                                       |     |         |            |  | QC 3 - 17            |            |
|                                       |     |         |            |  | QC 3 - 18            |            |
|                                       |     |         |            |  | QC 3 - 2             |            |
|                                       |     |         |            |  | QC 3 - 26            |            |
|                                       |     |         |            |  | QC 3 - 28            |            |
|                                       |     |         |            |  | QC 3 - 3             |            |
|                                       |     |         |            |  | QC 3 - 30            |            |
|                                       |     |         |            |  | QC 3 - 34            |            |
|                                       |     |         |            |  | QC 3 - 36            |            |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                      |  |                                                                                            |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | MRB (QSI042)                                                                               |  |
| <b>Description Work Order Deviation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                   | <b>Disposition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | <b>Completed By</b><br><br><b>Lead hand / Supervisor</b><br><br><b>QC / QA Coordinator</b> |  |
| <b>Root Cause</b><br><br><div style="display: flex;"> <div style="flex: 1;">           Operator <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Presservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div style="flex: 1;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="flex: 1;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="flex: 1;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                                                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   | Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                            |  |

190 Packaging 3-1 - Stock - B4B

1  
pcs

1/25/19

0.00 0.00

QC 3 - 38

QC 3 - 41

QC 3 - 51

QC 3 - 58

QC 3 - 59

QC 3 - 6

QC 3 - 68

QC 3 - 9

DAS  
59  
9-09

Packaging 3 - 1 - B4B

Packaging 3 - 2 - B4B

Packaging 3 - 3 - B4B

Packaging 3 - 4 - B4B

Packaging 3 - 5 - B4B

Packaging 3 - 6 - B4B

Packaging 3 - 7 - B4B

Packaging 3 - 8 - B4B

Packaging 3 - 9 - B4B

Packaging 3 - 10 -  
B4B

Packaging 3 - 11 -  
B4B

Packaging 3 - 12 -  
B4B

Packaging 3 - 13 -  
B4B

Packaging 3 - 14 -  
B4B

Packaging 3 - 15 -  
B4B

Packaging 3 - 16 -  
B4B

BFB 19-02-05

Packaging 3 - 17 -  
B4B

Packaging 3 - 18 -  
B4B

Packaging 3 - 19 -  
B4B

Packaging 3 - 20 -  
B4B

Packaging 3 - 21 -  
B4B

Packaging 3 - 22 -  
B4B

Packaging 3 - 23 -  
B4B

Packaging 3 - 24 -  
B4B

Packaging 3 - 25 -  
B4B

Packaging 3 - 26 -  
B4B

Packaging 3 - 27 -  
B4B

Packaging 3 - 28 -  
B4B

Packaging 3 - 29 -  
B4B

Packaging 3 - 30 -  
B4B

Packaging 3 - 31 -  
B4B

Packaging 3 - 32 -  
B4B



Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

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| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                      |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex;"> <div style="flex: 1;">           Operator <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Presservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div style="flex: 1;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="flex: 1;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="flex: 1;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |

|                |          |         |           |                        |                                                    |
|----------------|----------|---------|-----------|------------------------|----------------------------------------------------|
|                |          |         |           | Packaging 3 - 33 - B4B |                                                    |
|                |          |         |           | Packaging 3 - 34 - B4B |                                                    |
|                |          |         |           | Packaging 3 - 35 - B4B |                                                    |
| 200 QC 21 - SA | 1<br>pcs | 1/25/19 | 0.00 0.00 | QC 21 - SA - 21        | <b>DAG</b><br><b>21</b><br><b>9-50</b> FEB 05 2019 |

Part Op 100 - 1-Cut rib D3516-1 as per dwg D3516  
 Descriptions: 110 - (Weld per dwg A/R S.S. rod Batch: \_\_\_\_\_), Weld assembly as per dwg D3516  
 120 - (QC9- Inspect visual per QSI004- Fusion Welds)  
 130 - (QC5- Inspect part completeness to step on W/O)  
 140 - (Weld per dwg A/R S.S. rod Batch: \_\_\_\_\_), 1-Cut expanded metal for base as per dwg D3516  
 150 - (QC9- Inspect visual per QSI004- Fusion Welds)  
 160 - (QC5- Inspect part completeness to step on W/O)  
 170 - (White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel), 1ST COAT:  
 180 - (QC3- Inspect Part Finish)  
 190 - (Identify as per dwg & Stock Location: \_\_\_\_\_)  
 200 - (QC21- Final Inspection - Work Order Release)

### Job BOM

| Part / Item      | Component Name            | Quantity              | Operation                        | Container                  |
|------------------|---------------------------|-----------------------|----------------------------------|----------------------------|
| D2232-3 ✓        | Basket Hinge              | 2 pcs (2 ea) ✓        | 100-Small Fab - 1                | 5101748                    |
| D2327-3 ✓        | Spacer Bushing            | 2 pcs (2 ea) ✓        | 100-Small Fab - 1                | 5079110                    |
| D2581 ✓          | Mounting Bracket          | 2 pcs (2 ea) ✓        | 100-Small Fab - 1                | 5143339                    |
| D3166-1 ✓        | Basket Hoop               | 4 Ea (4 ea) ✓         | 100-Small Fab - 1                | 5147254                    |
| D3442-1 ✓        | Shim                      | 2 pcs (2 ea) ✓        | 100-Small Fab - 1                | 5142837                    |
| D3516-11 ✓       | Clevis                    | 6 pcs (6 ea) ✓        | 100-Small Fab - 1                | <del>5142837</del> 5142837 |
| D3516-13 ✓       | Clevis                    | 4 pcs (4 ea) ✓        | 100-Small Fab - 1                | 5142837                    |
| D3725-1 ✓        | Hoop                      | 2 pcs (2 ea) ✓        | 100-Small Fab - 1                | 5142837                    |
| M304EX0.75-16F   | Expanded Metal Flat SS    | 60 sf (60 ea)         | 100-Small Fab - 1                | 5125                       |
| M304TS0.750W.065 | 304 Sq Tube .75X.75X.065W | 50.6500 ft (50.65 ea) | 140-Large Fab - Basket - 3 - B4B | 5107467                    |

### Job Allocations

| Operation                        | Component Part   | Required | Inventory | Allocated |
|----------------------------------|------------------|----------|-----------|-----------|
| 100-Small Fab - 1                | D2232-3          | 2        | 16        | 0         |
|                                  | D2327-3          | 2        | 34        | 0         |
|                                  | D2581            | 2        | 63        | 0         |
|                                  | D3166-1          | 4        | 9         | 0         |
|                                  | D3442-1          | 2        | 13        | 0         |
|                                  | D3516-11         | 6        | 0         | 0         |
|                                  | D3516-13         | 4        | 51        | 0         |
|                                  | D3725-1          | 2        | 0         | 0         |
|                                  | M304EX0.75-16F   | 60       | 1,373     | 0         |
| 140-Large Fab - Basket - 3 - B4B | M304TS0.750W.065 | 51       | 804       | 0         |

### Part Specifications



Dart Aerospace Ltd.  
 1270 Aberdeen Street  
 Hawkesbury, ON K6A 1K7  
 CANADA  
 TEL.: 1 813 632-5200  
 Email: sales@dartaero.com  
 www.dartaerospace.com

nd.

Plex 1/14/19 12:32 PM Dart.lajeunesse.marie

Container No: S148963



Part: D3516-041

Job No: 188676

Serial No/Batch: S148963

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 01/29/19

007805

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; align-items: flex-start;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |